



TEST REPORT

Part Number:CU/TRXLPE/CWS/PVC 1*4/0AWG 35kV 133%

Product Description:

NO.	Component	Test item	Units	Requirement	Measured	Result
1	Conductor					
1.1	Conductor	Material		Copper conductor	Copper conductor	pass
1.1	Conductor	Structure	Number	19	19	pass
1.2	Conductor	Diameter	mm	12.8~13.13	12.91	pass
2	Conductor Shield	Thickness	mm	0.51	0.78	/
			mm	Min. 0.30	0.71	pass
		Depth of depression	mm	<0.076	0	pass
		Protrusion height	mm	<0.17	0	pass
3	Insulation (TR-XLPE)	Thickness	mm	Min. 10.16	10.28	pass
			mm	Max. 11.43	11.03	pass
		Protruding height of insulation to insulation shield	mm	<0.17	0	pass
4	Hot Creep Test 150°C,15min (TR-XLPE)	Elongation	%	Max. 175	65	pass
		Variation after cooling	%	Max. 10	0	pass
5	Extruded Insulation Shield	Thickness	mm	Min. 1.02	1.34	pass
			mm	Max. 1.91	1.62	pass
		Depth of insulation shield to insulation recess	mm	<0.127	0	pass
6	Copper Wire	Quantity	pcs	11	11	pass
		Diameter	mm	2.05	2.05	pass
7	Jacket(PVC) (Black with red bar)	Thickness	mm	2.03	2.04	/
			mm	Min. 1.78	1.91	pass
			mm	Max. 3.05	2.38	pass
		Diameter	mm	43.6~46.8	46.4	pass
8	Electrical test	D.C. resistance of conductor at 20°C Max.	ohm/Km	Max. 0.1637	0.1635	pass
		Partial discharge test	84kV	Max. 5Pc	3Pc	pass
		Voltage test(AC:84kV,5min)		no-breakdown	no-breakdown	pass

Test Conclusion: Comply with technology agreement requirement.

Inspected by

Signature:

Date

2022/11/4

Approved by

Signature:

Date

2022/11/4

杭州益睿电线电缆有限公司
HANGZHOU EASY ELECTRIC WIRE AND CABLE CO., LTD.